



CEB Shaker Mount

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TOOLS:

- [Angle grinder \(1\)](#)
- [Welder \(1\)](#)
- [hole puncher \(1\)](#)
- [torch \(1\)](#)

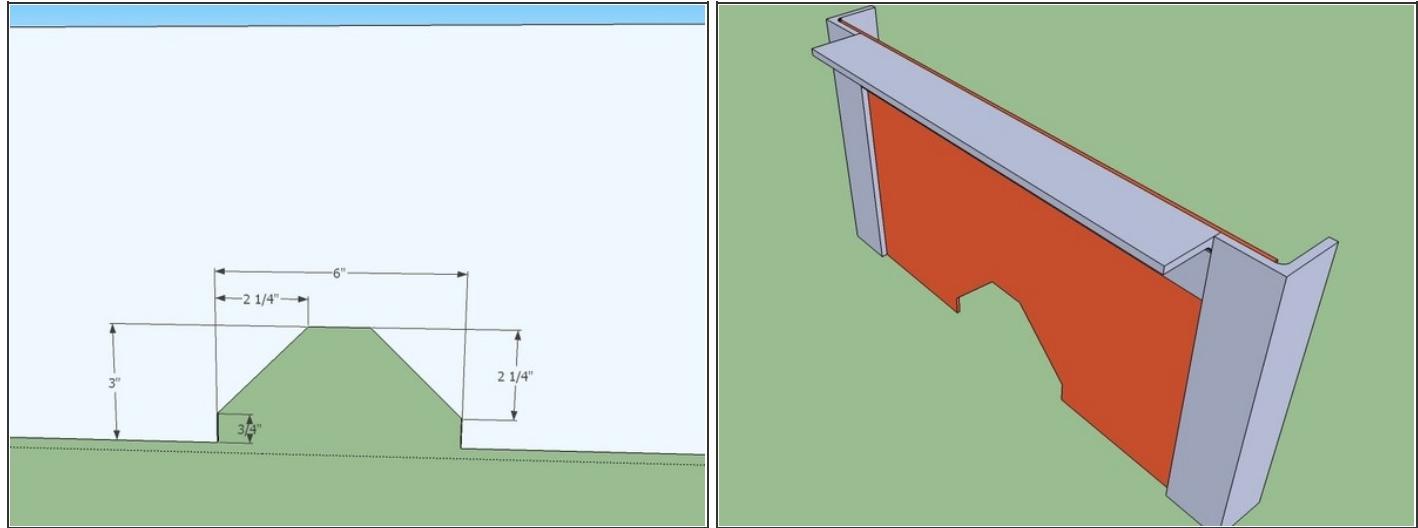
PARTS:

- [4"x4"x1/2" Angle Steel \(1\)](#)
Motor attachment
- [4"x4"x1/2" Angle Steel \(1\)](#)
Hopper Attachment
- [2"x2"x1/4" Angle Steel \(2\)](#)
Guard top and bottom
- [2"x2"x1/4" Angle Steel \(2\)](#)
Guard sides
- [1" rebar \(2\)](#)
Braces
- [1/8" Sheet Steel \(1\)](#)
guard

SUMMARY

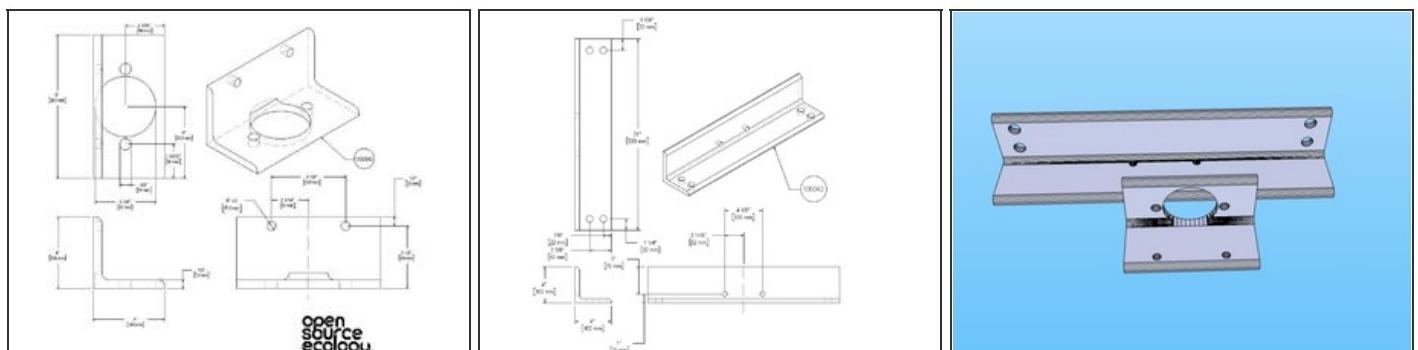
[Sketchup Model](#)

Step 1 — Make the guard



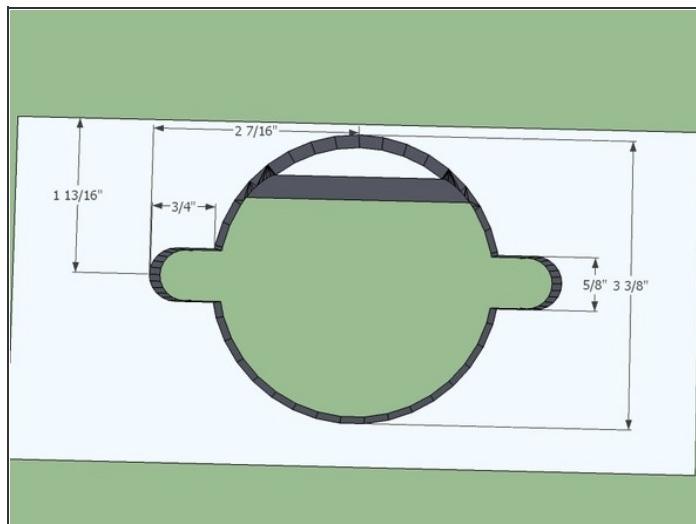
- Torch the guard sheet metal as in the image. It doesn't need to be exact.
 - Note: the shape shown is centered.
- Weld the top and side 2x2 angle pieces to it as shown.

Step 2 — Punch the holes in the 4x4 angle



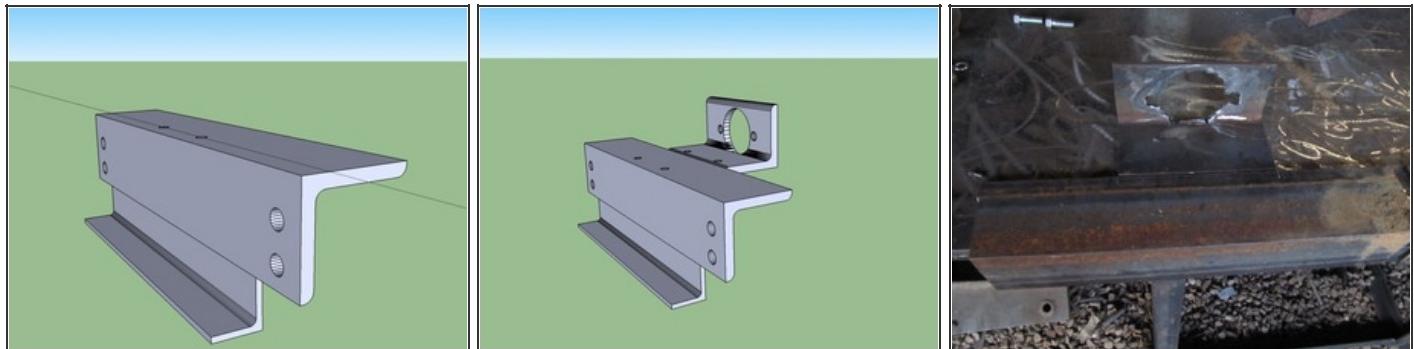
- Not all holes will be accessible with a punch. Torch the rest.

Step 3 — Torch the Remaining Holes



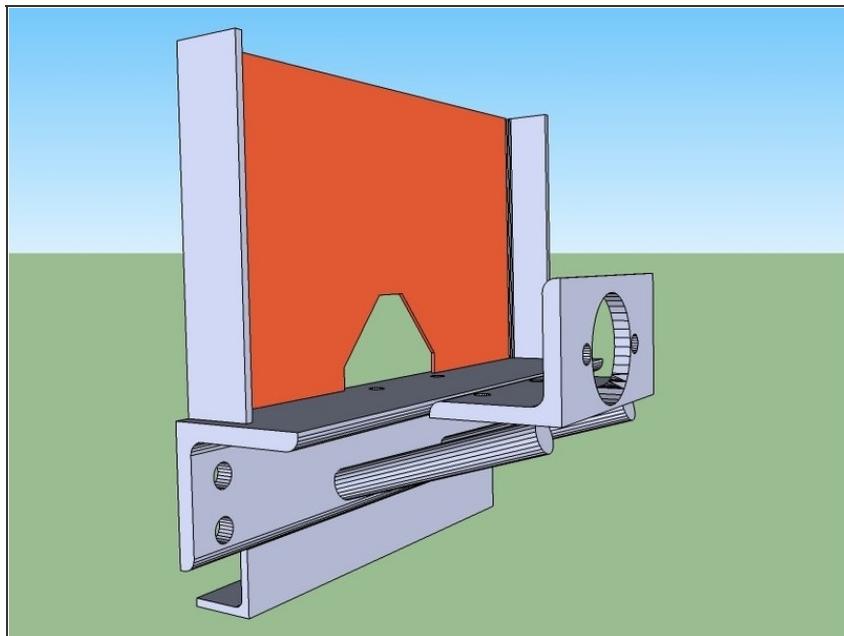
- Torch the hole for mounting the motor in the 8" piece of 4x4 angle. Grind off the slag.
 - Double check that the hole is large enough by putting on the motor and making sure the raised portion in the center goes all the way thru.
 - You can torch separate holes for the bolts, or do one large, odd shaped one like is pictured.
- Torch whichever holes you couldn't access with the punch

Step 4 — Weld it together



- Weld the bottom 2x2 to the 21" 4x4.
- Weld the two 4x4 angle pieces together as pictured, ensuring they are perfectly flush and square.
 - Skip around while welding so it doesn't warp one way or another.
- Grind off the top weld linking the 4x4's so the bearing will be able to sit flush on it
- Also grind off near the bolt holes on the bottom.

Step 5



- Weld the rebars onto the underside of the mount.
- Weld the guard to the top side of the mount.

This document was last generated on 2012-11-03 03:44:28 AM.